

# Work Order ID 75972

**\*75972\***

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November-02-11 10:47:18 AM

Item ID: D3297-3-0085 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: HOSE ASS'Y  
 Start Date: 02/11/2011 Start Qty: 4.00 **\*4\*** Cust Item ID:  
 Required Date: 16/11/2011 Req'd Qty: 4.00 **\*4\*** Customer:  
 Reference:

Approvals: Process Plan: MLJ Date: 11/11/02 Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
D3297	Rev D

100 PURCHASING 0.00  
**\*100\***  
 Purchasing Memo 0.00  
 Purchasing Create D2729-1 label and include with W/O  
 Issue P/O: 15342  
 Hose Assembly as per Dwg D3297  
 Possible Supplier: API  
 Material release note is required

11-11-02  
(4)

110 Receive & Inspect for Damage & Mat'l Certs 0.00  
**\*110\***  
 Packaging Memo 0.00  
 Packaging Ensure Material Release Note is attached

10/11/2 364

2237

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Work Order ID 75972

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November-02-11 10:47:18 AM

Item ID: D3297-3-0085 Accept **\*N900040100\*** Setup Start **\*NS1\***  
 Revision ID: Stop **\*NS2\***  
 Item Name: HOSE ASS'Y  
 Start Date: 02/11/2011 Start Qty: 4.00 **\*4\*** Cust Item ID:  
 Required Date: 16/11/2011 Req'd Qty: 4.00 **\*4\*** Customer:

## Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_ Run Start **\*NR1\***  
 QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_ Stop **\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 <b>*120*</b> QC Quality Control	QC6- Inspect dimensions to drawing  Memo	0.00 0.00				(4)			
130 <b>*130*</b> Small Fab Small Fab	Small Fab  Memo Install D2729-1 as per Dwg D3297 using D2182-045 Heat Shrink Batch: 21864	0.00 0.00							
140 <b>*140*</b> QC Quality Control	QC5- Inspect part completeness to step on W/O  Memo	0.00 0.00							

~~11/11/28~~  
 11/11/28 (4)  
 11/11/28 (4)  
 11-11-28 (4)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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## Quality Control

Sep 11-28

11/11/28

MF  
11-11-25

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

November-02-11 10:47:21 AM

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Work Order ID: 75972

\*75972\*

Parent Item: D3297-3-0085

\*D3297-3-0085\*

Parent Item Name: HOSE ASS'Y

Start Date: 02/11/2011

Required Date: 16/11/2011

Start Qty: 4.00

Required Qty: 4.00

Comments: IPP: B 04.11.09 Added Step 5KJ/JLM  
IPP: C 04.11.09 Added Step 6KJ verified by:DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
156005-6D0085		Purchased	No			110	Each	0.0000	1	4			
*156005-6D0085*									**				
HOSE ASS'Y													
D2182-045		Manufactured	No			130	Each	0.0000	1	4			
*D2182-045*									**				
Heat Shrink 4.5" Long													
D2729-1		Manufactured	No			130	Each	0.0000	1	4			
*D2729-1*									**				
Dart Logo label													

Handwritten notes and signatures:

- 156005-6D0085: \*\*
- D2182-045: \*\*
- D2729-1: \*\*
- Signatures: [Signature 1], [Signature 2], [Signature 3]
- Date: 11/11/28

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

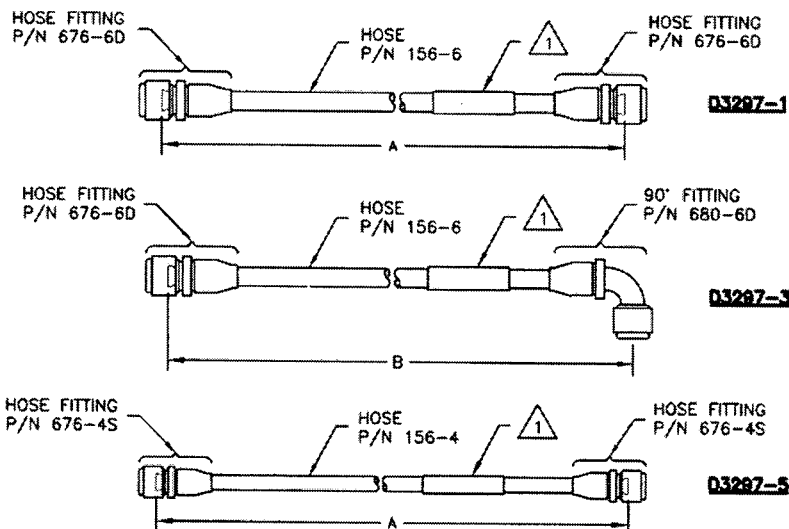
**NOTE:** Date & initial all entries





DESIGN #	DRAWN BY #	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED #	APPROVED #	DRAWING NO. D3297	REV. D SHEET 1 OF 1
DATE 05.01.21	TITLE HOSE ASSEMBLIES		SCALE NTS
A	04.07.06	NEW ISSUE	
B	04.11.01	STRATOFLEX P/N WAS AEROQUIP P/N	
C	04.11.18	T50 CORRECTED TO TSO	
D	05.01.21	CORRECT STRATOFLEX P/N	

RELEASED  
05.01.21



HOSE SPECIFICATION				
DART P/N	STRATOFLEX P/N	VENDOR	A	B
D3297-1-0098	156001-6D0096	API	9.75	
D3297-1-0130	156001-6D0130	API	13.00	
D3297-1-0121	156001-6D0121	API	12.13	
D3297-3-0085	156005-6D0085	API		8.50
D3297-3-0210	156005-6D0210	API		21.00
D3297-3-0350	156005-6D0350	API		35.00
D3297-5-0410	156001-4S0410	API	41.00	

D3297-1-XXXX HOSE ASSEMBLY } WHERE XXXX REPRESENTS  
D3297-3-XXXX HOSE ASSEMBLY } HOSE LENGTH IN TENTHS OF INCH  
D3297-5-XXXX HOSE ASSEMBLY }

EG: 12.125" LONG: D3297-1-0121  
41.00" LONG: D3297-5-0410  
8.50" LONG: D3297-3-0085

NOTES:

- 1) IDENTIFY WITH DART P/N & B/N USING D2729-1 LABEL INSTALLED WITH D2182-045 HEAT SHRINK
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) HOSE ASSEMBLIES TO MEET THE REQUIREMENTS OF TSO-C53a TYPE "A"

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO 75972  
M.C.J.

11/11/02

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Tel: 613 632 9577  
Fax: 613 632 1053

## PURCHASE ORDER

Purchase Order ID **PO15342**

Purchase Order Date 11/2/2011

PO Print Date 11/2/2011

Page Number 1 of 1

Order From :

VC-AER002

AEROSPACE PRODUCTS INTERNATIONAL  
P.O. BOX 223, STATION M  
CALGARY, AB T2P 2H6  
CA

Contact Name

Vendor Phone

800 214 7404

Vendor Fax

800 214 8875

Vendor Account Nbr

Buyer

Brigitte Golden

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Destination-Collect

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN  
HAWKESBURY, ON K6A 1K7  
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	156005-6D0210	HOSE ASS'Y	11/4/2011 Yes	4.00 Each	FedEx Overnigh	\$114.4300	\$457.72
		Special Inst:	AS PER DWG: D3297 REV: D B75971				
2	156001-6D0096	HOSE ASS'Y	11/4/2011 Yes	4.00 Each	FedEx Overnigh	\$60.1900	\$240.76
		Special Inst:	AS PER DWG: D3297 REV: D B75973				
3	156005-6D0085	HOSE ASS'Y	11/4/2011 Yes	4.00 Each	FedEx Overnigh	\$99.3700	\$397.48
		Special Inst:	AS PER DWG: D3297 REV: D B75972				
PO Total:							\$1,095.96

Change Nbr: 1

Change Date: 11/2/2011

No substitution or deviation without  
consent.  
Certificate of Conformity or Material  
Certification required when applicable



API  
2461 46th Ave.  
LACHINE QC H8T 3C9  
CANADA  
Phone: 514-636-5720  
Fax: 514-636-6092  
GST # 143526788RT

# PRICING LIST

NUMBER  
80957945

DATE  
11/22/2011

PLEASE REMIT TO:

PO Box  
Calgary AB T2P 2H6

REFER TO INVOICE NUMBER WHEN REMITTING

5101879

6100481

BILL TO DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

SHIP TO DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

Phone No: 613-632-9577

Page: 1

CUSTOMER PURCHASE ORDER NO. PO15342		ORDER NO. / DELIVERY NO. 845924 - 80957945					
SHIPPED VIA			DELIVERING PLANT API - Montreal		CARTONS 1		
QUANTITY		DESCRIPTION MATERIAL	U/M	LIST PRICE	UNIT PRICE	EXTENDED PRICE	
ORDERED	SHIPPED						
4		156-6 HOSE ASSEMBLY 156005-6D-0210	EA	195.61	114.43	457.72	
4		156-6 HOSE ASSEMBLY 156001-6D-0096	EA	102.89	60.19	240.76	
4		156-6 HOSE ASSEMBLY 156005-6D-0085	EA	169.86	99.37	397.48	
						1,095.96	
Item Total							
Canadian HST						142.48	

TOTAL  
CAD

1,238.44



API  
2461 46th Ave.  
LACHINE QC H8T 3C9  
CANADA

# Pack List



## Shipping Address

DART AEROSPACE LTD.  
1270 ABERDEEN STREET  
HAWKESBURY ON K6A 1K7  
CANADA

## Forwarding Agent's Address

## Shipping Instructions

Detailed Shipping Instructions at the  
end of the document

## Packing Instructions

Detailed Packing Instructions at the  
end of the document

## Information

Document Number 80957945  
Document Date 11/22/2011  
Purchase Order No. PO15342  
Purchase Order Date 11/04/2011  
Sales Order Number 845924  
Sales Order Date 11/04/2011  
Customer Number 6100481  
Shipping Conditions FXPri 1D (Intl 1-3D)  
Incoterms  
Cust Ship Acct  
Delivery Date 11/23/2011  
Bill of Lading

Total Volume 0.012 IN3  
Carrier FedEx

Item	Material	Material Description	Quantity	Weight	Batch Num
10	156005-6D-0210	156-6 HOSE ASSEMBLY			
	Batches		4 EA	0 LB	
	0002295344 (PO:4500166939)				
20	156001-6D-0096	156-6 HOSE ASSEMBLY			
	Batches		4 EA	0 LB	
	0002295341 (PO:4500166939)				
30	156005-6D-0085	156-6 HOSE ASSEMBLY			
	Batches		4 EA	0 LB	
	0002295342 (PO:4500166939)				

## Shipping and Packing Instructions

## \*\* CERTIFICATE OF CONFORMANCE \*\*

I hereby certify that the aircraft parts described hereon were acquired from a source of supply that is consistent with the conditions under which Transport Canada distributor approval number 77-98 has been granted.

Authorized Signature

*[Signature]*



